

IFW  
PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Roy E. Scheuerlein, et al.

Title: MULTIPLE TWIN CELL NON-VOLATILE MEMORY ARRAY AND  
LOGIC BLOCK STRUCTURE AND METHOD THEREFOR

Application No.: 10/675,212

Filed:

September 30, 2003

Examiner: Ho, Hoai V.

Group Art Unit:

2818

Atty. Docket No.: 023-0024

Confirmation No.:

9946

March 16, 2005

Mail Stop Amendment  
COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, VA 22313-1450**INFORMATION DISCLOSURE STATEMENT**  
**37 C.F.R. § 1.97(c)**

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, the undersigned brings to the Examiner's attention in the above-identified application the patents, publications, applications or other information identified in the attached:

- ☒ Form(s) PTO/SB/08A (8 page(s), with copy of 2 reference(s)).
- ☒ Form(s) PTO/SB/08B (1 page(s), with copy of 10 reference(s)).
- ☒ Listing of Pending Applications (1 page(s), with copy of no application(s)).
- ☐ Other: N/A

Citation of such information shall not be construed as (i) an admission that the information necessarily is, or corresponds to, prior art with respect to the instant invention, (ii) a representation that a search has been made, other than as described herein, or (iii) an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

For each item of information listed that is not in the English language, the undersigned has provided a concise explanation of the relevance through (i) an English language abstract, (ii) an English language equivalent application, or (iii) if cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action that indicates the degree of relevance found by the foreign office.

CERTAIN COPIES NOT INCLUDED

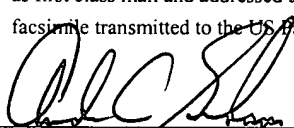
Pursuant to operative regulations, certain copies need not be provided and corresponding information is identified in this Information Disclosure Statement by citation only. In particular,

- ☒ In accordance with 37 C.F.R. § 1.98(a)(2)(ii), copies of cited U.S. Patents and U.S. Patent Application Publications are not included.
- ☐ Certain information was submitted to, or cited by, the Office in Application No(s). N/A, filed N/A, to which the above-identified application claims priority under 35 U.S.C. § 120. In accordance with 37 C.F.R. § 1.98(d), copies of that information are not included.
- ☒ Pursuant to 1287 OG 163 (October 19, 2004), for those cited pending U.S. patent applications filed (or which entered the national stage under 35 U.S.C. § 371) on or after June 30, 2003 or which are otherwise stored in the USPTO's Image File Wrapper system, copies are not included.

FEE AUTHORIZATION

The undersigned believes that this Information Disclosure Statement is being filed before the mailing date of (i) a final action under § 1.113, (ii) a notice of allowance under § 1.311 or (iii) an action that otherwise closes prosecution. Accordingly, this Information Disclosure Statement is accompanied by the fee set forth in § 1.17(p) as follows:

- ☐ A check in the amount of \$\_\_\_\_\_ is enclosed herewith.
- ☒ The undersigned hereby authorizes the Commissioner to charge the fee set forth in § 1.17(p) (\$180.00) to Deposit Account No. 50-0631.

| <u>CERTIFICATE OF MAILING OR TRANSMISSION</u>                                       |  |
|---|--|
| I hereby certify that, on the date shown below, this correspondence is being        |  |
| <input checked="" type="checkbox"/>   | deposited with the US Postal Service with sufficient postage as first class mail and addressed as shown above. |
| <input type="checkbox"/>  | facsimile transmitted to the US Patent and Trademark Office.   |
|  | <u>3-16-05</u>   |
| Andrew C. Graham  | Date   |

Respectfully submitted,



Andrew C. Graham, Reg. No. 36,531  
 Attorney for Applicant(s)  
 (512) 338-6313  
 (512) 338-6301 (fax)

|                           |
|---------------------------|
| EXPRESS MAIL LABEL: _____ |
|---------------------------|

|   |  |  |
|---|--|--|
| PTO/SB/084 (Substitute for form 1449/PTO)     |  | Attorney Docket No.: 023-0024            |
|   |  | Application No.: 10/675,212              |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT |  | First Named Inventor: Scheuerlein et al. |
|   |  | Filing Date: September 30, 2003          |
|   |  | Group Art Unit: 2818                     |
|   |  | Examiner Name: Hoai V. Ho                |
| Sheet 1 of 8                                  |  | Date Submitted: March 16, 2005           |

| U.S. PATENT DOCUMENTS    |                       |   |                             |   |   |                |
|--------------------------|-----------------------|---|-----------------------------|---|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Document Number Number-Kind Code <sup>2</sup> (if known)  | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |                |
|                          | AA                    | 3,576,549   | 04-27-1971                  | Hess et al.                                     |   |                |
|                          | AB                    | 3,582,908   | 06-01-1971                  | Koo et al.                                      |   |                |
|                          | AC                    | 3,634,929   | 01-18-1972                  | Yoshida et al.                                  |   |                |
|                          | AD                    | 3,671,948   | 06-20-1972                  | Cassen et al.                                   |   |                |
|                          | AE                    | 3,717,852   | 02-20-1973                  | Abbas et al.                                    |   |                |
|                          | AF                    | 3,728,695   | 04-17-1973                  | Frohman-Bentchkowsky                            |   |                |
|                          | AG                    | 3,787,822   | 01-22-1974                  | Riout   |   |                |
|                          | AH                    | 3,863,231   | 01-28-1975                  | Taylor  |   |                |
|                          | AI                    | 3,990,098   | 11-02-1976                  | Mastrangelo                                     |   |                |
|                          | AJ                    | 4,146,902   | 03-27-1979                  | Tanimoto et al.                                 |   |                |
|                          | AK                    | 4,203,123   | 05-13-1980                  | Shanks  |   |                |
|                          | AL                    | 4,203,158   | 05-13-1980                  | Frohman-Bentchkowsky et al.                     |   |                |
|                          | AM                    | 4,229,757   | 10-21-1980                  | Moussie   |   |                |
| FOREIGN PATENT DOCUMENTS |                       |   |                             |   |   |                |
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T <sup>6</sup> |
|                          | AN                    | EP 0 626 726 A2   | 11-30-1994                  |   |   |                |
|                          | AO                    | WO 97/47041   | 12-11-1997                  |   |   |                |
|                          | AP                    |   |                             |   |   |                |
|                          | AQ                    |   |                             |   |   |                |
| Examiner Signature       |                       |   | Date Considered             |   |   |                |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3)

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

<sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

|  |  |
|--|--|
| PTO/SB/08A (Substitute for form 1449/PTO)            | Attorney Docket No.: 023-0024            |
|  | Application No.: 10/675,212              |
| <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> | First Named Inventor: Scheuerlein et al. |
| (Continuation Sheet)                                 | Filing Date: September 30, 2003          |
|  | Group Art Unit: 2818                     |
|  | Examiner Name: Hoai V. Ho                |
| Sheet 2 of 8   | Date Submitted: March 16, 2005           |

|                              |
|------------------------------|
| <b>U.S. PATENT DOCUMENTS</b> |
|------------------------------|

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup><br>(if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
|                    | AR                    | 4,272,880  | 06-16-1981                     | Pashley  |   |
|                    | AS                    | 4,281,397  | 07-28-1981                     | Neal et al.  |   |
|                    | AT                    | 4,419,741  | 12-06-1983                     | Stewart et al.                                     |   |
|                    | AU                    | 4,420,766  | 12-13-1983                     | Kasten   |   |
|                    | AV                    | 4,442,507  | 04-10-1984                     | Roesner  |   |
|                    | AW                    | 4,488,262  | 12-11-1984                     | Basire et al.                                      |   |
|                    | AX                    | 4,489,478  | 12-25-1984                     | Sakurai  |   |
|                    | AY                    | 4,494,135  | 01-15-1985                     | Moussie  |   |
|                    | AZ                    | 4,498,226  | 02-12-1985                     | Inoue et al.                                       |   |
|                    | BA                    | 4,499,557  | 02-12-1985                     | Holmberg et al.                                    |   |
|                    | BB                    | 4,507,757  | 03-26-1985                     | McElroy  |   |
|                    | BC                    | 4,543,594  | 09-24-1985                     | Mohsen et al.                                      |   |
|                    | BD                    | 4,569,121  | 02-11-1986                     | Lim et al.   |   |

| FOREIGN PATENT DOCUMENTS |                       |  |                                |  |   |                |
|--------------------------|-----------------------|--|--------------------------------|--|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> -Number <sup>4</sup> -<br>Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant<br>of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or<br>Relevant Figures Appear | T <sup>6</sup> |
|                          | BE                    |  |                                |  |   |                |
|                          | BF                    |  |                                |  |   |                |
|                          | BG                    |  |                                |  |   |                |
|                          | BH                    |  |                                |  |   |                |
| Examiner Signature       |                       |  |                                | Date Considered                                    |   |                |

|  |  |
|--|--|
| PTO/SB/08A (Substitute for form 1449/PTO)            | Attorney Docket No.: 023-0024            |
|  | Application No.: 10/675,212              |
| <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> | First Named Inventor: Scheuerlein et al. |
| (Continuation Sheet)                                 | Filing Date: September 30, 2003          |
|  | Group Art Unit: 2818                     |
|  | Examiner Name: Hoai V. Ho                |
| Sheet 3 of 8   | Date Submitted: March 16, 2005           |

|                              |
|------------------------------|
| <b>U.S. PATENT DOCUMENTS</b> |
|------------------------------|

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup><br>(if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
|                    | BI                    | 4,597,162  | 07-01-1986                     | Johnson et al.                                     |   |
|                    | BJ                    | 4,646,266  | 02-24-1987                     | Ovshinsky et al.                                   |   |
|                    | BK                    | 4,739,497  | 04-19-1988                     | Itoh et al.  |   |
|                    | BL                    | 4,809,231  | 02-28-1989                     | Shannon et al.                                     |   |
|                    | BM                    | 4,820,657  | 04-11-1989                     | Hughes et al.                                      |   |
|                    | BN                    | 4,823,181  | 04-18-1989                     | Mohsen et al.                                      |   |
|                    | BO                    | 4,868,616  | 09-19-1989                     | Johnson et al.                                     |   |
|                    | BP                    | 4,876,220  | 10-24-1989                     | Mohsen et al.                                      |   |
|                    | BQ                    | 4,881,114  | 11-14-1989                     | Mohsen et al.                                      |   |
|                    | BR                    | 4,899,205  | 02-06-1990                     | Hamdy et al.                                       |   |
|                    | BS                    | 4,922,319  | 05-01-1990                     | Fukushima  |   |
|                    | BT                    | 4,943,538  | 07-24-1990                     | Mohsen et al.                                      |   |
|                    | BU                    | 5,070,383  | 12-03-1991                     | Sinar et al.                                       |   |

| FOREIGN PATENT DOCUMENTS |                       |  |                                |  |   |                |
|--------------------------|-----------------------|--|--------------------------------|--|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> -Number <sup>4</sup> -<br>Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant<br>of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or<br>Relevant Figures Appear | T <sup>6</sup> |
|                          | BV                    |  |                                |  |   |                |
|                          | BW                    |  |                                |  |   |                |
|                          | BX                    |  |                                |  |   |                |
|                          | BY                    |  |                                |  |   |                |
| Examiner Signature       |                       |  |                                | Date Considered                                    |   |                |

|  |  |
|--|--|
| PTO/SB/08A (Substitute for form 1449/PTO)            | Attorney Docket No.: 023-0024            |
|  | Application No.: 10/675,212              |
| <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> | First Named Inventor: Scheuerlein et al. |
| (Continuation Sheet)                                 | Filing Date: September 30, 2003          |
|  | Group Art Unit: 2818                     |
|  | Examiner Name: Hoai V. Ho                |
| Sheet 4 of 8   | Date Submitted: March 16, 2005           |

|                              |
|------------------------------|
| <b>U.S. PATENT DOCUMENTS</b> |
|------------------------------|

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup><br>(if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
|                    | BZ                    | 5,070,384  | 12-03-1991                     | McCollum et al.                                    |   |
|                    | CA                    | 5,126,290  | 06-30-1992                     | Lowrey et al.                                      |   |
|                    | CB                    | 5,233,206  | 08-03-1993                     | Lee et al.   |   |
|                    | CC                    | 5,306,935  | 04-26-1994                     | Esquivel et al.                                    |   |
|                    | CD                    | 5,311,039  | 05-10-1994                     | Kimura et al.                                      |   |
|                    | CE                    | 5,334,880  | 08-02-1994                     | Abadeer et al.                                     |   |
|                    | CF                    | 5,367,207  | 11-22-1994                     | Goetting et al.                                    |   |
|                    | CG                    | 5,391,518  | 02-21-1995                     | Bhushan  |   |
|                    | CH                    | 5,427,979  | 06-27-1995                     | Chang  |   |
|                    | CI                    | 5,441,907  | 08-15-1995                     | Sung et al.  |   |
|                    | CJ                    | 5,463,244  | 10-31-1995                     | De Araujo et al.                                   |   |
|                    | CK                    | 5,535,156  | 07-09-1996                     | Levy et al.  |   |
|                    | CL                    | 5,536,968  | 07-16-1996                     | Crafts et al.                                      |   |

| FOREIGN PATENT DOCUMENTS |                       |  |                                |  |   |                |
|--------------------------|-----------------------|--|--------------------------------|--|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> -Number <sup>4</sup> -<br>Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant<br>of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or<br>Relevant Figures Appear | T <sup>6</sup> |
|                          | CM                    |  |                                |  |   |                |
|                          | CN                    |  |                                |  |   |                |
|                          | CO                    |  |                                |  |   |                |
|                          | CP                    |  |                                |  |   |                |
| Examiner Signature       |                       |  |                                | Date Considered                                    |   |                |

|  |  |
|--|--|
| PTO/SB/08A (Substitute for form 1449/PTO)            | Attorney Docket No.: 023-0024            |
|  | Application No.: 10/675,212              |
| <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> | First Named Inventor: Scheuerlein et al. |
| (Continuation Sheet)                                 | Filing Date: September 30, 2003          |
|  | Group Art Unit: 2818                     |
|  | Examiner Name: Hoai V. Ho                |
| Sheet 5 of 8   | Date Submitted: March 16, 2005           |

|                              |
|------------------------------|
| <b>U.S. PATENT DOCUMENTS</b> |
|------------------------------|

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup><br>(if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
|                    | CQ                    | 5,568,421  | 10-22-1996                     | Aritome  |   |
|                    | CR                    | 5,587,944  | 12-24-1996                     | Shen et al.  |   |
|                    | CS                    | 5,608,670  | 03-04-1997                     | Akaogi et al.                                      |   |
|                    | CT                    | 5,621,683  | 04-15-1997                     | Young  |   |
|                    | CU                    | 5,640,343  | 06-17-1997                     | Gallagher et al.                                   |   |
|                    | CV                    | 5,675,547  | 10-07-1997                     | Koga   |   |
|                    | CW                    | 5,726,484  | 03-10-1998                     | Hart et al.  |   |
|                    | CX                    | 5,737,259  | 04-07-1998                     | Chang  |   |
|                    | CY                    | 5,745,407  | 04-28-1998                     | Levy et al.  |   |
|                    | CZ                    | 5,751,012  | 05-12-1998                     | Wolstenholme et al.                                |   |
|                    | DA                    | 5,776,810  | 07-07-1998                     | Guterman et al.                                    |   |
|                    | DB                    | 5,793,675  | 08-11-1998                     | Cappelletti et al.                                 |   |
|                    | DC                    | 5,793,697  | 08-11-1998                     | Scheuerlein  |   |

| FOREIGN PATENT DOCUMENTS |                       |  |                                |  |   |                |
|--------------------------|-----------------------|--|--------------------------------|--|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> -Number <sup>4</sup> -<br>Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant<br>of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or<br>Relevant Figures Appear | T <sup>6</sup> |
|                          | DD                    |  |                                |  |   |                |
|                          | DE                    |  |                                |  |   |                |
|                          | DF                    |  |                                |  |   |                |
|                          | DG                    |  |                                |  |   |                |
| Examiner Signature       |                       |  |                                | Date Considered                                    |   |                |

|  |  |
|--|--|
| PTO/SB/08A (Substitute for form 1449/PTO)            | Attorney Docket No.: 023-0024            |
|  | Application No.: 10/675,212              |
| <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> | First Named Inventor: Scheuerlein et al. |
| (Continuation Sheet)                                 | Filing Date: September 30, 2003          |
|  | Group Art Unit: 2818                     |
|  | Examiner Name: Hoai V. Ho                |
| Sheet 6 of 8   | Date Submitted: March 16, 2005           |

|                              |
|------------------------------|
| <b>U.S. PATENT DOCUMENTS</b> |
|------------------------------|

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup><br>(if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
|                    | DH                    | 5,818,748  | 10-06-1998                     | Bertin et al.                                      |   |
|                    | DI                    | 5,818,749  | 10-06-1998                     | Harshfield   |   |
|                    | DJ                    | 5,835,396  | 11-10-1998                     | Zhang  |   |
|                    | DK                    | 5,883,409  | 03-16-1999                     | Guterman et al.                                    |   |
|                    | DL                    | 5,926,415  | 07-20-1999                     | Shin   |   |
|                    | DM                    | 5,953,249  | 09-14-1999                     | Van der Wagt                                       |   |
|                    | DN                    | 5,991,193  | 11-23-1999                     | Gallagher et al.                                   |   |
|                    | DO                    | 6,005,270  | 12-21-1999                     | Noguchi  |   |
|                    | DP                    | 6,034,882  | 03-07-2000                     | Johnson et al.                                     |   |
|                    | DQ                    | 6,055,180  | 04-25-2000                     | Gudesen et al.                                     |   |
|                    | DR                    | 6,097,626  | 08-01-2000                     | Brug et al.  |   |
|                    | DS                    | 6,130,835  | 10-10-2000                     | Scheuerlein  |   |
|                    | DT                    | 6,163,048  | 12-19-2000                     | Hirose et al.                                      |   |

| Examiner Initials* |    | Foreign Patent Document<br>Country Code <sup>3</sup> -Number <sup>4</sup> -<br>Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant<br>of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or<br>Relevant Figures Appear | T <sup>6</sup> |
|--------------------|----|--|--------------------------------|--|---|----------------|
|                    | DU |  |                                |  |   |                |
|                    | DV |  |                                |  |   |                |
|                    | DW |  |                                |  |   |                |
|                    | DX |  |                                |  |   |                |
| Examiner Signature |    |  |                                | Date Considered                                    |   |                |



|  |  |
|--|--|
| PTO/SB/08A (Substitute for form 1449/PTO)            | Attorney Docket No.: 023-0024            |
|  | Application No.: 10/675,212              |
| <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> | First Named Inventor: Scheuerlein et al. |
| (Continuation Sheet)                                 | Filing Date: September 30, 2003          |
|  | Group Art Unit: 2818                     |
|  | Examiner Name: Hoai V. Ho                |
| Sheet 7 of 8   | Date Submitted: March 16, 2005           |

|                              |
|------------------------------|
| <b>U.S. PATENT DOCUMENTS</b> |
|------------------------------|

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup><br>(if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
|                    | DY                    | 6,185,122 B1   | 02-06-2001                     | Johnson et al.                                     |   |
|                    | DZ                    | 6,240,046  | 05-29-2001                     | Proebsting   |   |
|                    | EA                    | 6,243,287  | 06-05-2001                     | Naffziger et al.                                   |   |
|                    | EB                    | 6,262,699  | 07-17-2001                     | Suzuki et al.                                      |   |
|                    | EC                    | 6,278,711  | 08-21-2001                     | Ganmukhi et al.                                    |   |
|                    | ED                    | 6,291,836  | 09-18-2001                     | Kramer et al.                                      |   |
|                    | EE                    | 6,363,000  | 03-26-2002                     | Perner et al.                                      |   |
|                    | EF                    | 6,407,953  | 06-18-2002                     | Cleeves  |   |
|                    | EG                    | 6,420,215 B1   | 07-16-2002                     | Knall et al.                                       |   |
|                    | EH                    | 6,504,753  | 01-07-2003                     | Scheuerlein et al.                                 |   |
|                    | EI                    | 6,515,888  | 02-04-2003                     | Johnson et al.                                     |   |
|                    | EJ                    | 6,515,904  | 02-04-2003                     | Moore et al.                                       |   |
|                    | EK                    | 6,522,594  | 02-18-2003                     | Scheuerlein  |   |

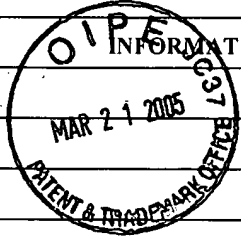
| FOREIGN PATENT DOCUMENTS |                       |  |                                |  |   |                |
|--------------------------|-----------------------|--|--------------------------------|--|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> -Number <sup>4</sup> -<br>Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant<br>of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or<br>Relevant Figures Appear | T <sup>6</sup> |
|                          | EL                    |  |                                |  |   |                |
|                          | EM                    |  |                                |  |   |                |
|                          | EN                    |  |                                |  |   |                |
|                          | EO                    |  |                                |  |   |                |
| Examiner Signature       |                       |  |                                | Date Considered                                    |   |                |

|  |  |
|--|--|
| PTO/SB/08A (Substitute for form 1449/PTO)            | Attorney Docket No.: 023-0024            |
|  | Application No.: 10/675,212              |
| <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> | First Named Inventor: Scheuerlein et al. |
| (Continuation Sheet)                                 | Filing Date: September 30, 2003          |
|  | Group Art Unit: 2818                     |
|  | Examiner Name: Hoai V. Ho                |
| Sheet 8 of 8   | Date Submitted: March 16, 2005           |

|                              |
|------------------------------|
| <b>U.S. PATENT DOCUMENTS</b> |
|------------------------------|

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup><br>(if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
|                    | EP                    | 6,525,949  | 02-25-2003                     | Johnson et al.                                     |   |
|                    | EQ                    | 6,545,898  | 04-08-2003                     | Scheuerlein  |   |
|                    | ER                    | 6,567,287  | 05-20-2003                     | Scheuerlein  |   |
|                    | ES                    | 6,574,145  | 06-03-2003                     | Kleveland et al.                                   |   |
|                    | ET                    | 6,584,006  | 06-24-2003                     | Viehmann   |   |
|                    | EU                    | 6,611,453  | 08-26-2003                     | Ning   |   |
|                    | EV                    | 6,618,295  | 09-09-2003                     | Scheuerlein  |   |
|                    | EW                    | 6,631,085  | 10-07-2003                     | Kleveland et al.                                   |   |
|                    | EX                    | 6,664,639  | 12-16-2003                     | Cleeves  |   |
|                    | EY                    | 6,856,572 B2   | 02-15-2005                     | Scheuerlein et al.                                 |   |
|                    | EZ                    | 6,859,410 B2   | 02-22-2005                     | Scheuerlein et al.                                 |   |
|                    | FA                    | US-2002/0028541 A2   | 03-07-2002                     | Lee et al.   |   |
|                    | FB                    |  |                                |  |   |

| <b>FOREIGN PATENT DOCUMENTS</b> |                       |  |                                |  |   |                |
|---------------------------------|-----------------------|--|--------------------------------|--|---|----------------|
| Examiner Initials*              | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> -Number <sup>4</sup> -<br>Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant<br>of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or<br>Relevant Figures Appear | T <sup>6</sup> |
|                                 | FC                    |  |                                |  |   |                |
|                                 | FD                    |  |                                |  |   |                |
|                                 | FE                    |  |                                |  |   |                |
|                                 | FF                    |  |                                |  |   |                |
| Examiner Signature              |                       |  |                                | Date Considered                                    |   |                |

|   |  |
|---|--|
| PTO/SB/08B (Substitute for form 1449/PTO)   | Attorney Docket No.: 023-0024            |
|   | Application No.: 10/675,212              |
|  | First Named Inventor: Scheuerlein et al. |
|   | Filing Date: September 30, 2003          |
|   | Group Art Unit: 2818                     |
|   | Examiner Name: Hoai V. Ho                |
| Sheet 1 of 1  | Date Submitted: March 16, 2005           |

### NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|-----------------------|---|----------------|
|                    | AA                    | CROWLEY ET AL., "512Mb PROM with 8 Layers of Antifuse/Diode Cells", 2003 IEEE ISSCC Conference, Session 16, Non-Volatile Memory, Paper 16.4, pp. 1-3, and corresponding presentation slides (23 pages)..  |                |
|                    | AB                    | DE GRAAF, C. ET AL., "A Novel High-Density Low-Cost Diode Programmable Read Only Memory," 1996 IEEE, IEDM Technical Digest, San Francisco, CA, December 8-11, 1996, pp. 189-192.  |                |
|                    | AC                    | EVANS, ROBERT J. ET AL., "Energy Consumption Modeling and Optimization for SRAM's," IEEE Journal of Solid-State Circuits, Vol. 30, No. 5, May 1995, pp. 571-579.  |                |
|                    | AD                    | GREENE, JONATHAN ET AL., "Antifuse Field Programmable Gate Arrays," Proceedings of the IEEE, Vol. 81, No. 7, New York, July 1993, pp. 1042-1056.  |                |
|                    | AE                    | HARDEE, KIM C. AND RAHUL SUD, "A Fault-Tolerant 30 ns/375 mW 16K x 1 NMOS Static RAM," IEEE Journal of Solid-State Circuits, Vol. SC-16, No. 5, October 1981, pp. 435-443.  |                |
|                    | AF                    | NAJI, PETER K. ET AL., "A 256kb 3.0V 1T1MTJ Nonvolatile Magnetoresistive RAM," 2001 IEEE ISSCC, February 6, 2001, Paper 7.6, and corresponding presentation slides (35 pages).  |                |
|                    | AG                    | NISHIHARA, TOSHIYUKI ET AL., "A Quasi-Matrix Ferroelectric Memory for Future Silicon Storage," IEEE Journal of Solid-State Circuits, Vol. 37, No. 11, November 2002, pp. 1479-1484.   |                |
|                    | AH                    | SUGIBAYASHI, TADAHICO ET AL., "A 30-ns 256-Mb DRAM with a Multidivided Array Structure," IEEE Journal of Solid-State Circuits, Vol. 28, No. 11, November 1993, pp. 1092-1098.   |                |
|                    | AI                    | TAKEUCHI, KEN ET AL., "A Negative V <sub>th</sub> Cell Architecture for Highly Scalable, Excellently Noise-Immune, and Highly Reliable NAND Flash Memories," IEEE Journal of Solid-State Circuits, Vol. 34, No. 5, May 1999, pp. 675-684.               |                |
|                    | AJ                    | WADA, TOSHIO ET AL., "A 15-ns 1024-Bit Fully Static MOS RAM," IEEE Journal of Solid-State Circuits, Vol. SC-13, No. 5, October 1978, pp. 635-639.   |                |
|                    | AK                    |   |                |
|                    | AL                    |   |                |
|                    | AM                    |   |                |
|                    | AN                    |   |                |
|                    | AO                    |   |                |
|                    | AP                    |   |                |

|                    |                 |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.